



**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

in re patent application of:

Möckel, et al.

Appl. No.: 09/715,035

Filed: November 20, 2000

For: **Novel Nucleotide Sequences  
Encoding the pfkA Gene**

Art Unit: 1652

Examiner: C. Fronda

Atty. Dkt. 21123/274441

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**Amendment and Response Under 37 C.F.R. §1.111**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated January 15, 2002, Applicants respectfully request reconsideration of the above-captioned application in view of the following amendments and remarks.

**Amendments**

**In the Claims:**

Please cancel claims 1-7 without prejudice.

Please add new claims 20-30 as follows:

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-- 20. An isolated polynucleotide consisting of a nucleotide sequence encoding a protein with an amino acid sequence consisting essentially of that of SEQ ID NO:2.

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21. An isolated polynucleotide encoding a protein with an amino acid sequence that is at least 70% identical to that of SEQ ID NO:2 and wherein said protein has essentially the same phosphofructokinase enzymatic activity as the protein of SEQ ID NO:2.

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